

Patent Abstracts of Japan

PUBLICATION NUMBER : 68247099
 PUBLICATION DATE : 1997-10-27

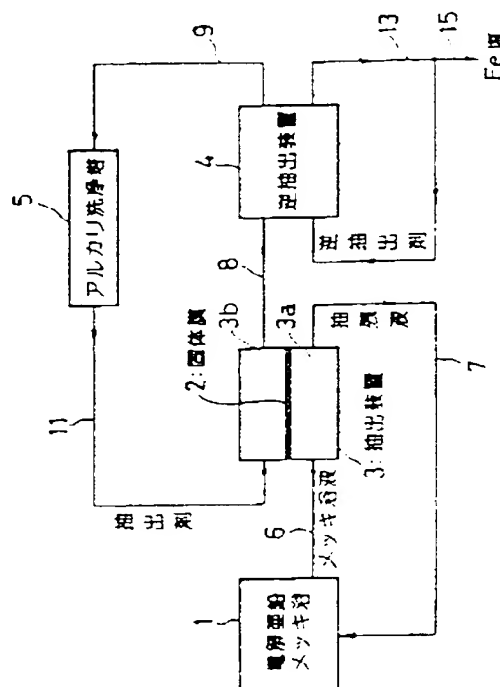
APPLICATION DATE : 18-04-86
 APPLICATION NUMBER : 61089553

APPLICANT : KURITA WATER IND LTD;

INVENTOR : OHASHI NORIO;

INT.CL. : C25D 21/18 C22B 7/00

TITLE : METHOD FOR EXTRACTING METAL



ABSTRACT : PURPOSE: To effectively extract and remove Fe ions from a galvanizing bath by contact with an extracting reagent by using a specified acidic extracting reagent and a specified basic extracting reagent as the extracting reagent.

CONSTITUTION: A galvanizing bath 1 of <3 pH contg. Fe ions as impurities is introduced into an extracting apparatus 3 provided with a porous solid membrane 2 of polytetrafluoroethylene or the like and the bath 1 is brought into contact with an extracting reagent with the membrane 2 in-between to extract into an extracting agent 11 and remove the Fe ions. At this time, a soln. prepd. by diluting an acidic extracting reagent such as 2-ethylhexyl phosphonate and a basic extracting reagent such as 1-(3-ethylpentyl)-4- ethyloctylamine or other primary to quat. amine in 0.1:1~1:1 molar ratio with CCl₄, heptane or the like is used as the extracting reagent. The Fe ions in the extracting reagent, after passing through an alkali is washing tower 5, are sent to a back-extracting apparatus 4, where the Fe ions are extracted and removed with a reducing agent such as sodium dithionite as a back- extracting reagent.

COPYRIGHT: (C)1987,JPO&Japio

RECEIVED
 OCT 18 2001
 TC 1700

Mobius et al.
 09/939,502
 Filed 8/24/01